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|---|--------------------------------|--|
| <b>Search Notes</b>   | <b>Application/Control No.</b> | <b>Applicant(s)/Patent Under Reexamination</b> |
|  | 10591640                       | ESSER ET AL.                                   |
|   | <b>Examiner</b>                | <b>Art Unit</b>                                |
|   | JESSICA T STULTZ               | 2873   |

### SEARCHED

| <b>Class</b> | <b>Subclass</b>             | <b>Date</b> | <b>Examiner</b> |
|--------------|-----------------------------|-------------|-----------------|
| 351          | 177,178                     | 7/22/09     | JS              |
| 351          | 177,178                     | 2/1/10      | JS              |
| 351          | 177, 178 (updated)          | 6/30/10     | JS              |
| 351          | 154,159,164,168-172,174,177 | 6/8/11      | DJC             |
|              | UPDATED                     | 10/4/11     | DJC             |

### SEARCH NOTES

| <b>Search Notes</b>  | <b>Date</b> | <b>Examiner</b> |
|--|-------------|-----------------|
| Searched East  | 7/22/09     | JS              |
| 351/177,178 (USPAT,USPGPUB-text and classified search)                       | 7/22/09     | JS              |
| 351/159,164,168,171,172,174 (USPAT,USPGPUB-text search only)                 | 7/22/09     | JS              |
| Updated Search   | 2/1/10      | JS              |
| Updated Search   | 6/30/10     | JS              |
| Updated Search   | 1/6/11      | JS              |
| BRS EAST Search (USOCR, USPGPUB, USPAT, EPO, JPO, Derwent, IBM_TDB) attached | 6/8/11      | DJC             |
| BRAS EAST Search (updated and attached)                                      | 10/4/11     | DJC             |

### INTERFERENCE SEARCH

| <b>Class</b> | <b>Subclass</b>  | <b>Date</b> | <b>Examiner</b> |
|--------------|--|-------------|-----------------|
| 351          | 154,159,164,168-172,174,177                              | 10/4/11     | DJC             |
|              | BRS EAST Interference Search (UPAT and USPGPUB) attached | 10/4/11     | DJC             |

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